Green Up! DC User Guide – Installed Projects

Adding installed projects is done by drawing your projects the map and entering values in the panel to the right of the map. If you have not yet installed a project on your property go to the Plan Your Projects Map.

Step 1 – Log in

Before you can add your project, you must log in as a registered user. If you have an account, you should log in at this point. If you don't yet have an account, you can create one by the clicking the **next** button.

- **Option 1** Once you log in and click the **next** button the Green Up! DC will zoom you right to your property where you can plan your projects.
- **Option 2** If you click the **next** button without logging in, Green Up! DC will prompt you to select a property.

Click the next button after you choose your option.

Step 2 – Select Your Property

If you are creating a new account, you must now choose your property.

- **Method 1** lets you type in your address. When a correct address is entered, Green Up! DC will zoom the map to your property location.
- **Method 2** lets you click on a property location directly. It's best to first move the map to your property location and zoom so you can see the property outlines. You can move the map by holding down the mouse and dragging the map. You can zoom in using the zoom tool on the map.

Click the next button after you have located your property.

Figure 1 - Selecting your property

Step 3 – Register Your Projects:

Design your projects: there are calculators for two basic types – energy and stormwater. Energy projects include both solar energy projects that generate electricity and energy conservation projects that help you save energy. Stormwater projects are those that help you reduce the amount of stormwater runoff from your property. The calculators allow you to quickly estimate the energy produced/saved and the stormwater reduced.

- **Step 1 – Choose Your Project Types:** you can choose up 5 energy projects and 9 stormwater projects. The calculators allow for multiple Rain Barrel/Cistern and Rain Garden projects. Each project type has a description that you can read by clicking on the blue information button next to the name of the project.

Tip: *It's best to start with just one or two projects until you are familiar with the tools. Creating multiple projects on a property can be quite involved, especially with the stormwater projects!*

Once you have selected your projects (either stormwater or energy) click the "Move to Step 2" button.

- **Step 2 – Project Calculators:** enter information into each of the text boxes or use the draw tool to draw the project location. Unless your property is very large, it's best to zoom in as close as possible to be able to accurately draw the projects. The following explains how to enter information into each of the energy and stormwater calculators.

Tip: *Many of the calculators require drawing a shape on the map. To draw a shape, first click on the draw button. Then click on the map and release the mouse to draw the first point. A line will appear showing the first side. Click again to complete that first side. Continue with single mouse clicks until the box is complete. Double click on the map when you are finished drawing and the size of the shape is entered automatically in the calculator's data entry box.*

Project Calculators - Energy Projects

- Solar Electric – first turn on the solar layer using the map options. It will indicate the best areas for your solar panels. Red is the best. Blue is the worst. Then click on the draw button and draw a shape in the location of the solar panels.
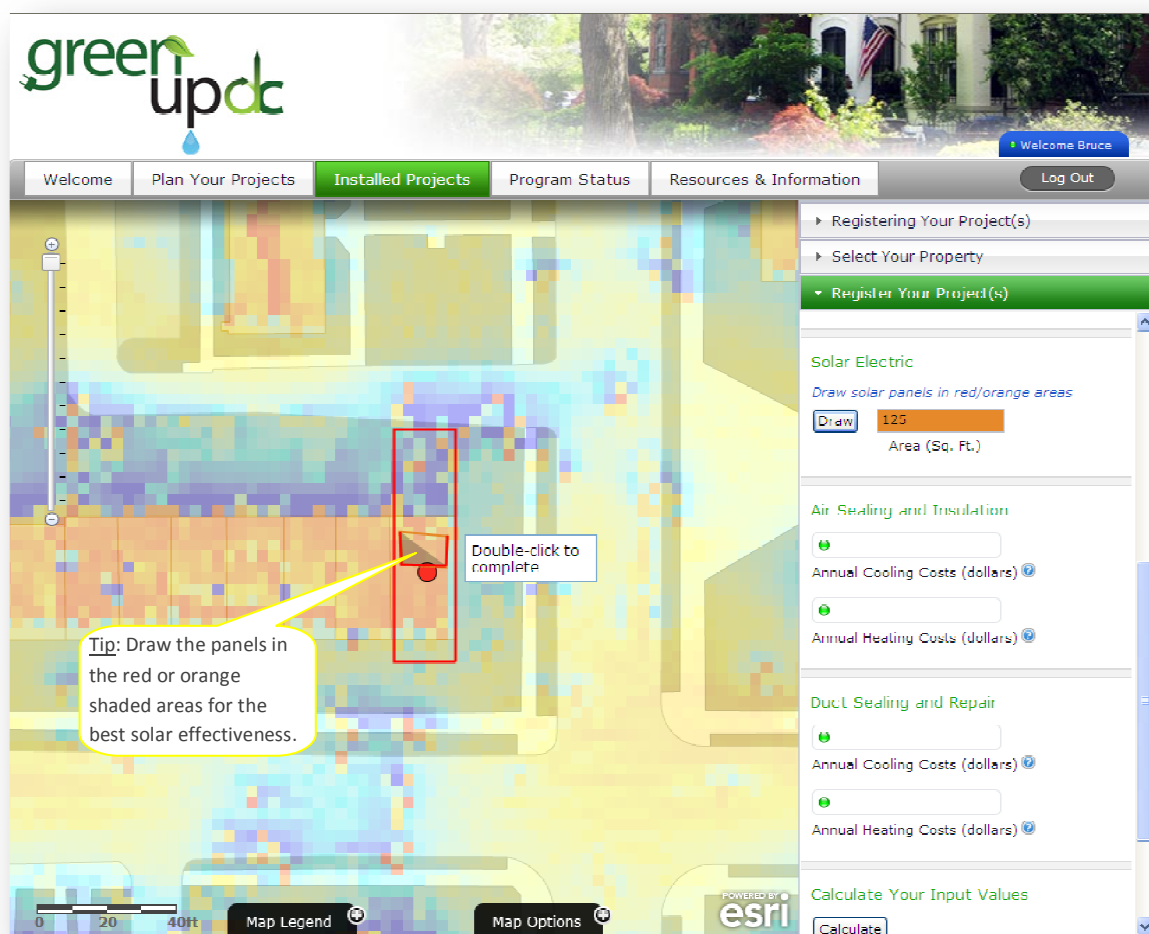
- Solar Hot Water – first choose your current hot water heater fuel type. Then enter the number of people in your household and your fuel cost. Click on the blue question mark icon for information on how to enter your costs.
- Air Sealing and Insulation – Enter your annual heating and cooling costs based on your utility bills. Click on the blue question mark icon for information on how to enter your costs.
- Hot Water Conservation – Enter your annual hot annual water heating cost. Click on the blue question mark icon for information on how to enter your costs.

- Duct Sealing and Repair – Enter your annual heating and cooling costs based on your utility bills. Click on the blue question mark icon for information on how to enter your costs.

Once you have entered values for the calculators click the "Calculate" button.

Project Calculators - Stormwater Projects

Most stormwater projects require you to draw one or more shapes on the map. Please see the drawing tip above for instructions on drawing on the map. The shapes that you draw are color-coded by project type.

Some stormwater projects have the option of a downstream project. A **downstream project** is simply a project that receives water from another project. For example, the outlet pipe from a Green Roof may flow directly into a BayScape area.

Figure 3 – Drawing stormwater projects
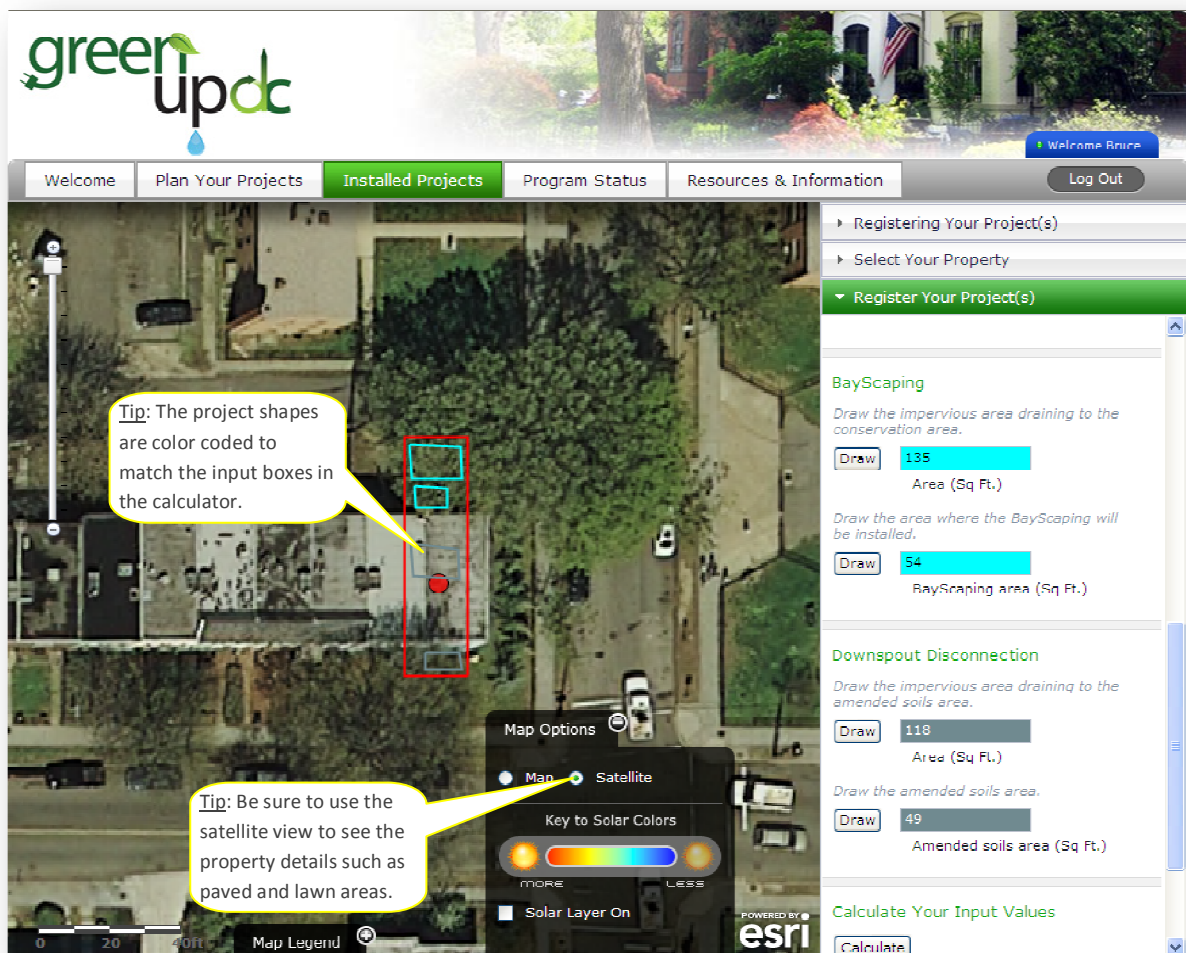
- Green Roof – click on the draw button and then draw the green roof on your building. Then select a downstream project, if applicable. *Please note that installing a green roof may require structural changes to your building. It is essential to have certified professionals involved in any green roof installation.*
- Rain Barrel / Cistern – you can choose up to three rain barrels or cistern projects. Draw the impervious area draining to the rain barrel or cistern (the part of your roof that has a gutter connected to the rain barrel / cistern, for example). Then enter the volume of water that the rain barrel holds and select the downstream project, if applicable.
- Pavement Removal – First draw the impervious area draining to the pavement removal area (a sidewalk or driveway, for example), then draw the area where you plan to remove pavement.
- BayScaping – First draw the impervious area draining to the BayScape area (a sidewalk or driveway, for example), then draw the area where you are planning to install BayScaping.
- Simple Disconnection to Amended Soils – First draw the impervious area draining to the amended soils area (a sidewalk or driveway, for example), then draw the area where you plan to install BayScaping.
- Permeable Pavement – First draw the impervious area draining to the permeable pavement area (a sidewalk or driveway, for example), then draw the area where you plan to install permeable pavement.
- Rain Garden – you can choose up to two rain garden projects. There are three separate areas to draw. First draw the impervious area draining to the rain garden area (a sidewalk or driveway, for example), then draw the compacted area draining to the rain garden (a lawn or gravel path, for example). Lastly, draw the area where you plan to install the rain garden itself.
- Stormwater Infiltration – There are three separate areas to draw. First draw the impervious area draining to the infiltration area (a sidewalk or driveway, for example), then draw the compacted area draining to the infiltration area (a lawn or gravel path, for example). Lastly, draw the area where you plan to install the infiltration area itself.
- Tree Planting – First draw the impervious area that will be covered by the planned trees (a sidewalk or driveway, for example). Then draw the compacted area that will be covered by the planned trees (a lawn or gravel path, for example).

Figure 4 – Detailed instructions on how to draw stormwater projects
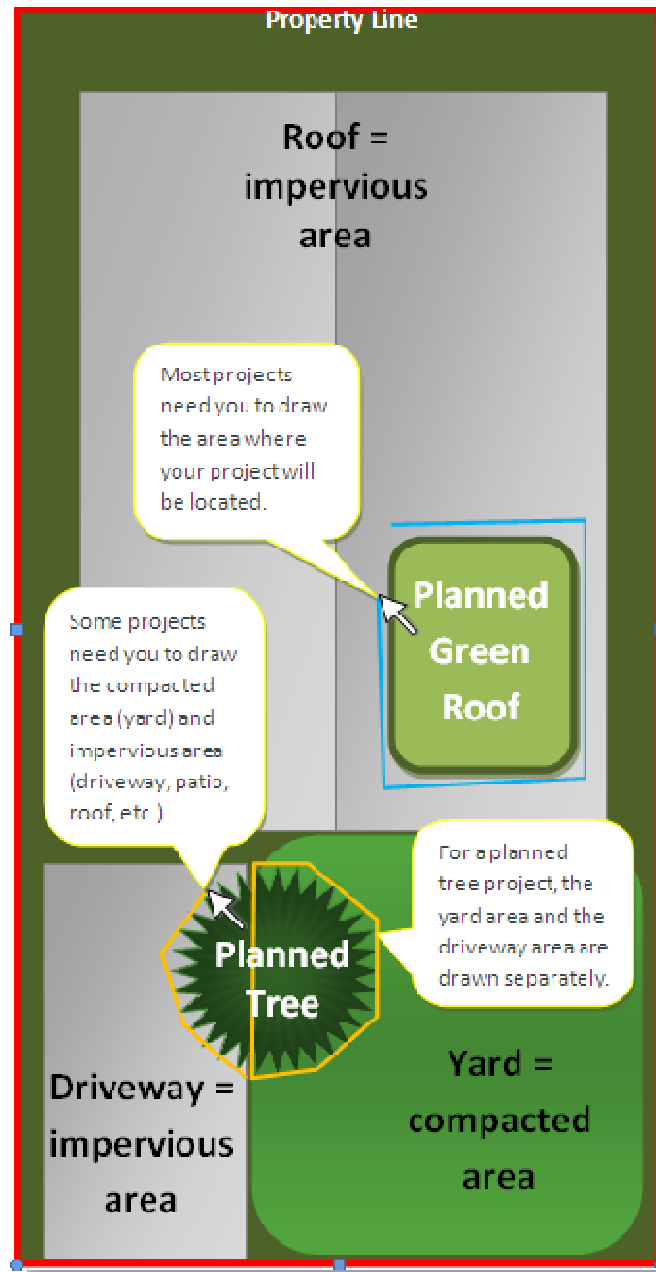
Step 3 – View Your Results: based on the values you entered, Green Up! DC calculates the results. *Please be aware that **these results are approximate and are for planning purposes only**. Actual values will depend on many factors, and it is important to have these estimates validated by qualified professionals.*

Energy Project Results:
- o Carbon (CO2) Savings: the estimated amount of Carbon you could save each year if you installed the project.
- o Cost Savings: the estimated amount of money you could save each year if you installed the project.

Stormwater Project Results:
- o Project Cost: the estimated amount to install the selected projects
- o Total Volume Retained: the estimated amount of stormwater retained by the selected projects
- o Volume Remaining: the estimated amount of stormwater that would still flow from your property if you installed the selected projects

Step 4 – Register

Enter the information about your project. Some of the information such as uploading a project photo is optional, while other information is required.

Optional Print, Post to Facebook

- **Print:** you can print your stormwater inputs and results as well as the map of your property. If you would like to experiment with different project types, printing allows you to compare the results.
- **Share on Facebook:** if you have a Facebook account you can post a comment about the Green Up! DC site.